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2870

DATE MAILED: 06/25/2008

NOTICE OF ALLOWANCE AND FEE(S) DUE

513 7590 06/25/2008

WENDEROTH, LIND & PONACK, L.L.P. 2033 K STREET N. W. SUITE 800

WASHINGTON, DC 20006-1021

EXAMINER				
SANTIAGO, MARICELI				
ART UNIT	PAPER NUMBER			

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,723	10/19/2004	Yoshinori Murazaki	2004-1599A	2531

TITLE OF INVENTION: SEMICONDUCTOR LIGHT EMITTING DEVICE PROVIDED WITH A LIGHT CONVERSION ELEMENT USING A HALOBORATE PHOSPHOR COMPOSITION

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	09/25/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further condicated unless corrected maintenance fee notification	form should be used for correspondence including d below or directed oth ions.	or tran g the l erwise	smitting the ISSU Patent, advance or in Block 1, by (a						
CURRENT CORRESPONDE	NCE ADDRESS (Note: Use Blo	ock 1 for:	any change of address)	Fe pa	e(s) Transmittal. Th pers. Each addition:	is certil d paper	g can only be used for ficate cannot be used for such as an assignmental iling or transmission.	or any other acc	companying
513 7590 06/25/2008 WENDEROTH, LIND & PONACK, L.L.P. 2033 K STREET N. W. SUITE 800			L.L.P.	I E Sta ad tra	araby cartify that th	ie Good	e of Mailing or Trans s) Transmittal is being ficient postage for fir ISSUE FEE address I) 273-2885, on the d	danositad with	the United in envelope g facsimile low.
WASHINGTON,	, DC 20006-1021							(Dep	ositor's name)
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nonprovisional	NO		\$1440	\$300	\$0		\$1740	09/25/2	2008
EXAMI	NER		ART UNIT	CLASS-SUBCLASS	٦				
SANTIAGO,	MARICELI		2879	313-485000	_				
"Fee Address" indic PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME AN	ondence address (or Cha /122) attached. cation (or "Fee Address' 2 or more recent) attach ND RESIDENCE DATA sess an assignce is identi in 37 CFR 3.11. Comp	nge of 6 ' Indica ed. Use	Correspondence ution form of a Customer E PRINTED ON 1	2. For printing on the (I) the names of up to agents OR, alterna (2) the name of a sin registered attorney or 2 registered patent at listed, no name will b! FHE PATENT (print or t) data will appear on the I a substitute for filing at (B) RESIDENCE: (CTI	o 3 registered pater ively, gle firm (having as a agent) and the nam orneys or agents. If e printed. ype) patent. If an assign a assignment.	memb es of u no nan	p to p to be is 3	ocument has been	en filed for
Please check the appropria 4a. The following fee(s) a Issue Fee		catego		inted on the patent):	ase first reapply a				iovernment
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Advance Order - # of Copies The Director is hereby authorized to charge the required fee(s), any deficiency, or credit an overpayment, to Deposit Account Number (enclose an extra copy of this f			lit any						
	SMALL ENTITY statu	s. See 3	37 CFR 1.27.	☐ b. Applicant is no lo	nger claiming SMA	LLEN			
NOTE: The Issue Fee and interest as shown by the re	Publication Fee (if requecords of the United Sta	iired) v tes Pate	vill not be accepted ent and Trademark	from anyone other than Office.	the applicant; a reg	istered :	attorney or agent; or th	e assignee or ot	ner party in
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2033 K STREE	N. W.		ART UNIT	PAPER NUMBER
SUITE 800 WASHINGTON	DC 20006-1021		2879	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 632 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 632 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	
10/511,723	MURAZAKI, YOSHINORI	
Examiner	Art Unit	Π

The MAILING DATE of this communication appears on tall claims being allowable, PROSECUTION ON THE MERITS IS (OR REI herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. of the Office or upon petition by the applicant. See 37 CFR 1.313 and MP	MAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initiat
1. This communication is responsive to Amendment filed March 13, 2	<u>008</u> .
The allowed claim(s) is/are <u>17-20 and 22</u>.	
International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this or	ceived. ceived in Application No have been received in this national stage application from the communication to file a reply complying with the requirements
noted below. Failure to timely comply will result in ABANDONMENT of the THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	his application.
 A SUBSTITUTE OATH OR DECLARATION must be submitted. No INFORMAL PATENT APPLICATION (PTO-152) which gives reason 	
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be sub (a) ☐ Including changes required by the Notice of Draftsperson's Pat 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ☐ (b) ☐ Including changes required by the attached Examiner's Amend Paper No./Mail Date ☐ Identifying indicia such as the application number (see 37 CFR 1.84(c)) sh each sheet. Replacement sheet(s) should be labeled as such in the heade 6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of Bi attached Examiner's comment regarding REQUIREMENT FOR TH	ent Drawing Review (PTO-948) attached ment / Comment or in the Office action of ould be written on the drawings in the front (not the back) of r according to 37 CFR 1.121(d). OLOGICAL MATERIAL must be submitted. Note the
Attachment(s) 1. □ Notice of References Cited (PTO-892) 2. □ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 3/13/2008 4. □ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal Patent Application 6. Interview Summary (PTO-413), Paper No./Mail Date 7. Examiner's Amendment/Comment 8. Examiner's Statement of Reasons for Allowance 9. Other

Application/Control Number: 10/511,723

Art Unit: 2879

DETAILED ACTION

Response to Amendment

Receipt of the Amendment, filed on March 13, 2008, is acknowledged.

Cancellation of claims 1-10 and 21 has been entered.

Claims 11-20 and 22-24 are pending in the instant application.

Claims 11-16, 23 and 24 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the claims,

This application is in condition for allowance except for the presence of claims 11-16, 23 and 24 directed to species non-elected without traverse. Accordingly, claims 11-16, 23 and 24 have been cancelled

In the title, pursuant to MPEP 606.01, the title has been changed as follows,

-- SEMICONDUCTOR LIGHT EMITTING DEVICE PROVIDED WITH A LIGHT CONVERSION

ELEMENT USING A HALOBORATE PHOSPHOR COMPOSITION --

Application/Control Number: 10/511,723

Art Unit: 2879

Allowable Subject Matter

Claims 17-20 and 22 are allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance:

Regarding claim 17, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 17, and specifically comprising the limitation of the semiconductor light emitting element has a main peak in a range from 360nm to 400nm, and the phosphor is represented by a general formula of $(M_{1\times y}Eu_xM_y)_2B_5O_5M_y$, where M is at least one selected from the group consisting of Mg, Ca, Be, and Sr, M' is at least one selected from the group consisting of Mn, Fe, Cr and Sn, 0.0001 $\le x \le 0.5$, and 0.0001 $\le y \le 0.5$, and M' is at least one halogen selected from the group consisting of F, Cl, Br, and I.

Regarding claims 18-20 and 22, claims 18-20 and 22 are allowable for the reasons given in claim 17 because of their dependency status from claim 17.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mariceli Santiago whose telephone number is (571) 272-2464. The examiner can normally be reached on Monday-Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel, can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Art Unit: 2879

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Mariceli Santiago/ Primary Examiner, Art Unit 2879